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Approved

Case 2000/04/19/

81B00878R001400060027-7

SAPG 22976

COPY 1 OF 3

20 December 1957

CMCC Doc. No. 151X5.904

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Dear Dan:

25X1A

We are enclosing our proposal covering the field service requirements for Customers 1, 2 and 3 for the first half of 1958.

25X1A Exhibit A outlines the field service costs to be covered by Contract [REDACTED] and is broken down by the three customer requirements. In addition to supervision of the field service program, the in-plant costs of training our field service personnel for all customers are included. We have also included the costs of field service at the local test sites and anticipated support of System 6. The costs of supporting installation of data reduction equipment for Customer 3 and the training of 2 Air Training Command personnel in accordance with your 1 October letter, #19838, are included. The services of [REDACTED] for Customer 2 are also covered under this contract for a period of 2 months each until they are assigned to field engineering duties overseas under separate contracts. Provision is again made for the direct shipment of certain items of material and spare parts to the field service activities although we do not anticipate that the requirement for this will be very large.

25X1A The total estimated cost for the field engineering program under [REDACTED]

25X1A Exhibit B covers the overseas field service for the project covered by Contract [REDACTED]. The estimate of services is based on the transfer of support for Systems 1, 3 and the 3-channel data reduction equipment at base B from our field service personnel to project personnel effective April 1, 1957. If there is any delay in that transfer, additional service may be required under this contract. It is estimated that the work program set forth here will require funding of about [REDACTED]. Approximately [REDACTED] of additional funding is required to cover the cost of the field service program under [REDACTED] during 1957 and should be added to the estimate shown here for the first half of 1958.

25X1A Exhibit C sets forth the resident field service requirements for Customer 3. It is estimated that the work program set forth here will require funding of about [REDACTED] for this period.

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DOCUMENT NO. 26
NO CHANGE IN CLASS. 7

1) DECLASSIFIED

CLASS. CHANGED TO: TS S C

NEXT REVIEW DATE: 2012

AUTH: HR 70-2

DATE: 1201/2

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Field service rates under contracts [REDACTED] should continue provisionally at the same rates now in effect for the last half of 1957. As soon as we can complete an analysis of our costs for that period, we will forward to you a proposal for revised rates covering the first half of 1958.

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The requirements for field engineering services in support of the new System 2 fixed equipment for Customer 2 are outlined in Exhibit D. Unless separate contract coverage is provided for this, we would propose to perform the work under Contract [REDACTED] Approximately [REDACTED] of funding will be required for this work.

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Three classes of field service personnel are covered by the proposals: Field Technicians, Field Engineers and Field Engineering Supervisors or R&D professional personnel. Separate labor rates are applicable to each group. [REDACTED] are classified as Field Engineering Supervisors. It is anticipated that about eight man-months of R&D professional time will be required in Field Engineering activities during the period principally for instruction of Field Engineering and Customer personnel at our plant and, in a few instances, for short periods of instruction at operating sites.

Your early approval of the field support program as set forth here will be appreciated. In the interim, we will proceed on the basis of the program outlined in the proposals unless you advise us differently.

Sincerely,

Dean

Dean

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Enclosures:

Copies 1 thru 3 of the following documents:

1132X5.184

1132X5.185

1132X5.186

1132X5.187

cc: H. A. W. - AGO

Copy 4 of above listed documents

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PROPOSAL FOR FIELD ENGINEERING SERVICES

CONTRACT [REDACTED]

25X1A

For the Period of 1 January 1958 to 30 June 1958

EXHIBIT A

Item 1. Engineering Supervision - All Systems - Requirement 1 and Requirement 3.

a. Engineering supervision for the field service contract is required on a full-time basis. This involves the hiring and training of field personnel and establishing training programs and training services for customer representatives. Liaison among contractors and with the customer will be performed to coordinate continuing research and development effort and its application to the field units. Surveys for facilities, FAK, SLOE, and 360-Day Support will be required when new facilities and operational sites are established. Coordination is required for the continued support of all systems. Information obtained in the lab and received from the field must be disseminated and coordinated to maintain the most efficient utilization of personnel and equipment.

b. The field support for Requirement 1 and Requirement 3 utilizes the services of some twenty to thirty skilled and specially trained personnel. Direct and close supervision of personnel and equipment is mandatory to prevent both overlapping efforts and gaps in efforts.

c. Any major deviations from this proposal or any new tasks properly falling under the terms of Exhibits A, B, C or D must be dealt with promptly by the supervisory staff and immediately brought to the attention of all concerned.

d. Some travel will be required. Our past experience indicates that it is essential to have technical representation during the planning of new operational sites and during the advance party surveys.

e. Factory supervision at the overseas locations is required for a few days during each six-month period to coordinate matters of personnel management and technical liaison. This serves the interests of both the contractor and the customer.

f. Man Months, Field Engineering Supervision:

Man Months, Requirement 1

4

Man Months, Requirement 3

2

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g. Estimated Travel:

U. S.	3 Trips
Foreign	1 Trip

Item 2. Non-Resident Field Engineering and Training, Requirement 1.

a. Field engineering services will be required for the support of the continuing R & D program for System 1, System 3, System 4, and the Data Reduction Equipment. Field test will be performed to check new modifications and new models of equipment. Some equipments will require field testing before delivery. Suggestions and comments from field units and from the customer will require evaluation under field conditions. Miscellaneous purchased parts, fabricated parts, and certain specialized pieces of test apparatus will be required to perform these evaluations. New aircraft configurations and new locations of existing equipment are required when new equipment is added to the program. Each change requires additional field engineering to check for mutual electrical interference, satisfactory physical location and satisfactory environmental performance in the new locations. This company has been charged with the responsibility of insuring that all aircraft configurations are compatible from an electrical or electronic interference standpoint.

b. A few examples of programs requiring this type of support may be listed from the work of the past few months.

- (1) Addition of APQ-56
- (2) Addition of RADAN
- (3) Relocation of RADAN
- (4) Relocation of System 3
- (5) New type of System 3 Antenna
- (6) System 1 Field Modification #2
- (7) Three new models of System 1 Antenna
- (8) Addition of System 4
- (9) Addition of Rambo Amplifiers
- (10) Addition of System 1 Voice Filter
- (11) Change in Method of Keying System 1 1-kc Tone
- (12) Transistorized System 1

c. Field engineering services will be required during the installation, checkout and flight tests of System 6. The first system will require two engineers and one technician working full time for two months. Following systems will require one engineer and one technician as needed.

d. Field engineering services will be required for the support of the Data Reduction Equipment.

e. Part of the technicians time will be paid at a premium rate.

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f. Man Months, Field Engineering Supervision or MTS:

Man Months

2

g. Man Months, Engineering:

Man Months

7

h. Man Months, Technician:

Man Months

8

i. Estimated Travel:

U. S. 2 Trips

j. Miscellaneous Spare Parts, Repair Service,
and Test Apparatus

\$ 1,000.00

Item 3. Non-Resident Field Engineering, Requirement 2.

a. Two engineers will be working full time with Portable System 2 and System 3 until they receive an overseas assignment. From time to time they will render assistance in operating and maintaining System 2 fixed equipment.

b. The checkout and evaluation of the System 2 prototype as modified for communications functions only will require the modification and operation of the Seal Beach equipment for approximately two months. For safety reasons, this will require two men.

c. One technician will be required at Washington to provide liaison and assistance in setting up that facility in preparation for the evaluation and operation of the portable equipment. Without this liaison, considerable time and money can be spent waiting for the necessary support equipment to become available.

d. One engineer and one technician will be required for two months at Washington for the evaluation of the modified System 2.

e. Customer personnel must be trained in the operation and maintenance of the modified System 2. Part of this training will be completed during this proposal period. Two and one-half man months of engineering will be required for the preparation of suitable courses and training aids. It is estimated that eight weeks of instruction will be performed during this proposal period.

f. Man Months, Engineering:

Man Months

Field Support

4

Instructors

4

8

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g. Man Months, Technician:

Man Months

5

h. Estimated Travel:

U. S. 3 Trips

i. Miscellaneous Spare Parts
and Training Aids

\$3,000.00

Item 4. Non-Resident Field Engineering and Training, Requirement 3.

a. Field engineering services will be required for the support of the continuing R & D program for System 1, System 3, System 4, and the Data Reduction Equipment. Field tests will be performed to check new modifications and new models of equipment. Some equipments will require field testing before delivery. Suggestions and comments from field units and from the customer will require evaluation under field conditions. Miscellaneous purchased parts, fabricated parts, and certain specialized pieces of test apparatus will be required to perform these evaluations.

b. Engineers and technicians to perform resident field engineering services in support of System 1, System 3, System 4, and the Data Reduction Equipment will receive in-plant training.

c. Two personnel from the Air Training Command will receive factory training.

d. Man Months, Engineering:

Man MonthsField Support
Instructors
Training

2

6

6

14

e. Man Months, Technician:

Man MonthsField Support
Training

2

8

10

f. Miscellaneous Spare Parts
and Training Aids

\$2,000.00

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Item 5. Non-Resident Field Engineering Services, 3-Channel Data Reduction Equipment, Requirement 3.

a. As directed by letter #14007 dated 19 March 1957 from the contracting officer, the installation of the Data Reduction System will be required in approximately eight locations. It is estimated that Requirement 3 resident field engineers can install the Data Reduction Equipment and provide technical support at four locations.

b. The installation, checkout, and instruction of customer personnel will require approximately one and one-half months for each installation. The continued support of each installation is estimated to be two man months per year for the first year. No engineering support is estimated after that time.

c. Emergency miscellaneous spare parts will be required, estimated to be \$100.00 per installation per year.

d. Man Months, Engineering:

Man Months

3

e. Estimated Travel:

U. S. 3 Trips

f. Emergency Miscellaneous
Spare Parts

\$ 100.00

Item 6. Non-Resident Field Engineering Services, 14-Channel Data Reduction Equipment, Requirement 3.

a. Installation and continued support of the 14-Channel Data Reduction Equipment will require the services of one engineer at each location for an estimated period of two months. It is estimated the Requirement 3 resident field engineers can provide this service at two locations. Continued effort will be required for the first year for an estimated two and one-half man months per year.

b. Emergency miscellaneous spare parts will be required, estimated to be \$100.00 per installation per year.

c. Man Months, Engineering:

Man Months

4

d. Estimated Travel:

U. S. 2 Trips

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e. Emergency Miscellaneous
Spare Parts \$ 100.00

Item 7. Miscellaneous Support of Field Units, Requirement 1.

a. From time to time, field units require miscellaneous spare parts and apparatus that do not appear on SLOE and FAK lists. These are low-usage, low-cost items. Time delays or the lack of local availability at times provide operational problems of a rather serious nature. It must be recognized that all of the small details and the specialized needs of certain geographic locations will not be taken into account in the FAK and SLOE listings. In most cases it would not be economical to attempt such detailed listings.

b. The contractor proposes to set up a special fund to honor requests for such parts when received from the Communications Chief, Supply Officer, or other designated authority of any field unit. The cost to the Government shall not exceed \$2,000 per year per location.

c. Estimated Cost for 2 Locations \$2,000.00

Item 8. Miscellaneous Support of Field Units, Requirement 2.

a. From time to time, field units require miscellaneous spare parts and apparatus that do not appear on SLOE and FAK lists. These are low-usage, low-cost items. Time delays or the lack of local availability at times provide operational problems of a rather serious nature. It must be recognized that all of the small details and the specialized needs of certain geographic locations will not be taken into account in the FAK and SLOE listings. In most cases it would not be economical to attempt such detailed listings.

b. The contractor proposes to set up a special fund to honor requests for such parts when received from the Communications Chief, Supply Officer, or other designated authority of any field unit. The cost to the Government shall not exceed \$3,000 per year per location.

c. Estimated Cost for
2 Fixed Stations \$3,000.00

Estimated Cost for
1 Portable Station \$ 500.00

Total \$3,500.00

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SECRETItem 9. Miscellaneous Support of Field Units, Requirement 3.

a. From time to time, field units require miscellaneous spare parts and apparatus that do not appear on SLOE and FAK lists. These are low-usage, low-cost items. Time delays or the lack of local availability at times provide operational problems of a rather serious nature. It must be recognized that all of the small details and the specialized needs of certain geographic locations will not be taken into account in the FAK and SLOE listings. In most cases it would not be economical to attempt such detailed listings.

b. The contractor proposes to set up a special fund to honor requests for such parts when received from the Supply Officer or other designated authority of any field unit. The cost to the Government shall not exceed \$2,000 per year per location.

c. Estimated Cost for 1 Location \$1,000.00

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Item 10. Resume for the Total Estimated Time and Charges for
Contract [REDACTED] All Requirements, for the Period of
1 January 1958 to 30 June 1958.

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a. Man Months, Field Engineering Supervision or MTS	8	
b. Man Months, Engineering	36	
c. Man Months, Technician	23	
d. Travel - U. S. Trips	13	
Foreign Trips	1	
e. Material		\$ 12,700.00

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